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NOTICE OF ALLOWANCE AND FEE(S) DUE

55694

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10/01/2009

DRINKER BIDDLE & REATH (DC) 1500 K STREET, N.W. SUITE 1100 WASHINGTON, DC 20005-1209

EXAMINER				
PATEL, REEMA				
ART UNIT	PAPER NUMBER			
2012				

DATE MAILED: 10/01/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/550,682	07/31/2006	Katsumi Shibayama	46884-5426	8343

TITLE OF INVENTION: PHOTODIODE ARRAY AND PRODUCTION METHOD THEREOF, AND RADIATION DETECTOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/04/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

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10/550,682	07/31/2006		Katsumi Shibayama	a			46884-5426	8343	
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	UE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1510	\$300		\$0		\$1810	01/04/2010	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS						
PATEL,	REEMA	2812	257-292000						
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.		(1) the names of up or agents OR, alterr (2) the name of a si registered attorney 2 registered patent a	the names of up to 3 registered patent attorneys gents OR, alternatively, the name of a single firm (having as a member a stered attorney or agent) and the names of up to gistered patent attorneys or agents. If no name is id, no name will be printed.						
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON The strength of the second of this form is NO categories (will not be presented to the second of the second o	data will appear on th T a substitute for filing (B) RESIDENCE: (Cl	e pat an a	tent. If an assigne ssignment. and STATE OR C	OUNT	RY)		
 a. The following fee(s) Issue Fee 	are submitted:	40	 Payment of Fee(s): (I A check is enclose 		e tirst reapply an	y prev	iously paid issue fee s	snown above)	
☐ Publication Fee (N	No small entity discount p	permitted)	Payment by credit	card	. Form PTO-2038	is atta	ched.		
Advance Order -	# of Copies		The Director is her overpayment, to D	eby epos	authorized to char it Account Numbe	ge the 1 r	required fee(s), any de (enclose ar	ficiency, or credit any n extra copy of this for	m).
	tus (from status indicated is SMALL ENTITY statu		☐ b. Applicant is no	long	er claiming SMAL	L ENT	ΓΙΤΥ status. See 37 CF	FR 1.27(g)(2).	
OTE: The Issue Fee an terest as shown by the	d Publication Fee (if requeecords of the United Sta	iired) will not be accepte tes Patent and Trademark	d from anyone other that Office.	an th	e applicant; a regi	stered a	nttorney or agent; or th	e assignee or other par	ty in
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n application. Confiden abmitting the completed is form and/or suggesti	tiality is governed by 35 d application form to the ions for reducing this but irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th NOT SEND FEES OR (1.14. This collection is depending upon the ir e Chief Information Of	esti: idivi: fficer	mated to take 12 n dual case. Any co . U.S. Patent and '	ninutes mment Traden	to complete, including s on the amount of tire park Office, U.S. Depar	g gathering, preparing ne you require to com atment of Commerce.	, and plete P.O.

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1500 K STREET,	N.W.		ART UNIT	PAPER NUMBER
SUITE 1100 WASHINGTON,	DC 20005-1209		2812 DATE MAILED: 10/01/200	9

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/550,682	SHIBAYAMA, KATSUMI	
Notice of Allowability	Examiner	Art Unit	
	REEMA PATEL	2812	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED i) or other appropriate comm RIGHTS. This application is 3 and MPEP 1308.	in this application. If not included nunication will be mailed in due course. THI	
1. This communication is responsive to <u>RCE and IDS filed 9</u>	//3/09 .		
2. ☑ The allowed claim(s) is/are <u>2-5,10,12 and 14</u> .			
3. Acknowledgment is made of a claim for foreign priority to a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subtracted in the subtracted part of the priority of the priority documents have subtracted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. CORRECTED DRAWINGS (as "replacement sheets") must be subtracted below.	re been received. re been received in Applicat ocuments have been receive " of this communication to fil MENT of this application. mitted. Note the attached Ex res reason(s) why the oath out	on No ed in this national stage application from the ea reply complying with the requirements CAMINER'S AMENDMENT or NOTICE OF or declaration is deficient.	e
(a) ☐ including changes required by the Notice of Draftspel		w (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examinel Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on	the drawings in the front (not the back) of	
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☒ Information Disclosure Statements (PTO/SB/08),	6. ☐ Interview S Paper No 7. ☐ Examiner's	nformal Patent Application Summary (PTO-413), ./Mail Date s Amendment/Comment s Statement of Reasons for Allowance	
/Walter L. Lindsay, Jr./			
Primary Examiner, Art Unit 2812			

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 9/3/09 has been entered.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 9/3/09 was filed after the mailing date of the Notice of Allowance on 6/26/09. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement has been considered by the examiner.

Allowable Subject Matter

- 3. Claims 2-5, 10, 12, and 14 are allowed.
- 4. The following is an examiner's statement of reasons for allowance: The prior art of record does not teach or render obvious the instant invention, particularly characterized in claim 10 by the limitation of a resin film for transmitting light covering at least regions corresponding to regions where photodiodes are formed and on a side of the incident surface of light to be detected and a scintillator panel opposite to the incident surface of the light to be detected. Claims 2-5, 12 and 14 depend on claim 10.

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Art Unit: 2812

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to REEMA PATEL whose telephone number is (571)270-

1436. The examiner can normally be reached on M-F, 8:00-4:30 ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Charles Garber can be reached on (571)272-2194. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Walter L. Lindsay, Jr./

Primary Examiner, Art Unit 2812

/Reema Patel/

Examiner, Art Unit 2812

9/25/09